

# Goodyear proudly announces:

# Tri-metallic Brake

The brake that gives up to 50% increase in absorption of Kinetic Energy per pound of brake

 $R^{
m ECOGNIZING}$  the fact that the weight and speed of today's airplanes were fast approaching the limits and capacities of existing aircraft brakes, Goodyear concentrated its skills and resources to pioneer the answer.

The result is The Tri-Metallic Brake: a brake which utilizes a new friction material and new combinations of metals, making a "heat sink" of the lining, its mating member, and the brake structure—thereby greatly increasing the kinetic energy absorption per pound of brake.

The advantages of The Tri-Metallic Brake are spectacular:
(1) weight-savings and space-savings that result from the greatly increased

(1) weight-savings and space-savings that result from the greatly increased efficiency of this new brake design, (2) a new metallic, non-insulating lining which will operate at temperatures up to 70% higher than other designs of this type, (3) low displacement and high

torque, giving further economy in weight and space, (4) simplicity of design with greatly reduced number of parts.

For full details you are invited to write: Goodyear, Aviation Products Division, Akron 16, Ohio or Los Angeles 54, California.

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# Buy the Freedom of the Air for YOURSELF!

Statistics prove that corporation aircraft are more than FIVE TIMES safer than automobiles, measured by accident fatalities per 100 million occupant-miles.

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### NEWS DIGEST



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WHO'S WHERE In the Front Office

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\* Oranda Engiller Ltd., veccato, it repertury completion the new Oranda Alliant Division of General Motors Corp. to manufacture the new Ovendo. PGD in the U. S. The PSD is in perhature conferfue to recore the corp. Canadian Avec CF-H5 represents all-mother failure being built for the for refittee at entirer with a South American country PKIM Read Datch Arriver has advant Stated According Co. it would - King says Dent Atlant in some district angular to it

Two new aircraft engines, the Granife with 1250 ho , gode by D. Nasier A See and the Seeds a \$1000 is the basis with Line and make make in the . Owners 14 capace which powers the new Conscion Solor VI is rated at words has discussed from the 2.700 fb of the Owneds 2 to about 2.400 fb. weight has commond from the 2,700 fts of the Ocean 2 to about 2,400 fts. for the newer models, degree the addition of an extra turbine state. Need

► National Advisory Committee for Association flight test section at Laurier went field characteristics at month below \$1 mah, where the workless outs critical. Acrong the interesting observances discovered by this accepts in that a standard IIA glide puth well penducy on course readings in the context

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ANATION WEEK, Asset 15, 1888



# II. S. A. F.'s New Fast, Long-range Fighter

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### AVIATION WEEK AUGUST 15 1656

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### Democrats Win Air Issues in Congress

### Acceleration of humber fielder production feeder certification olsoost old bishlishs first services

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\* Neval aviation soled for \$3.7 billion.

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\* Jet alphan. Frags (MiG-9). Faget (hermoly Folono MiG-13). Forted (analyzined type). Fosther (Yak-17). Flora (Yak-17). Former (MiG-17). Former -American Section Section on 5335.000 A few A to by 1000 and independent of Phylinds defined to be \* Picto-engine bouben. Box (U. S. A.18), Suck (U. S. B.25), Sub (B.4), Boots (Pari), Sur (Ta.2), Sull (Ba.4 or B.25 year), Surl (B.7), Sure (B.16). Bage conductored type).
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Bell X-2 Masks Unconventional Design

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### \$9 Billion Transport Market Foreseen Dr. Innian Street and 1300 nationes sound and

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## HIG-4 GYRO

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### PROOPERS REPORT

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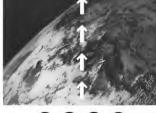
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AFIATION WEEK, August 15, 1985



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### Retractable Hydro-Lift Gear Passes Flight Test



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### PROVING GROUND FOR JET VTO



Another Example of How

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LAYELLE AIRCRAFT CORPORATION - NEWTOWN BUCKS COUNTY DA



### AVIATION SAFFTY



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AVIATION WITH Asset 15, 1992



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CONSOLIDATED ARIATION WEEK Asset 15, 1955





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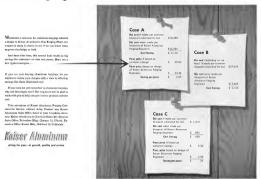


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KYCKTOON WEEK, Asset 15, 1985

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### EDITORIAL

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# sonar in the sea

Designed as an anti-submarine helicopter, the Navy's new Sikorsky HSS-1 is equipped with sonar gear. This includes an electrical device that may be lowered into the ocean while the helicopter hovers at low altitude.

Larger than the Navy's famous H04S, the 100-knot HSS-1 is also equipped with a Sikorsky-developed auto-pilot, one of the first auto-pilots to be tailor-made for helicopters.

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